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IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

Arun N. Netravali
John D. Robbins

Case 18-5

Serial No. 253,698 Filed April 13, 1981

Group Art Unit

Examiner

Title Video Signal Interpolation Using Motion Compensation

THE COMMISSIONER OF PATENTS AND TRADEMARKS
WASHINGTON, D. C. 20231

SIR:

Disclosure Statement

It is requested that the following art be considered in the examination of the above-identified application. A copy of the pertinent portion of each citation is attached, and an indication of the pertinency of each to the claimed subject matter is set forth below:

| <u>U. S. Patent No.</u> | <u>Inventor</u> | <u>Class</u> | <u>Date Issued</u> |
|-------------------------|-----------------|--------------|--------------------|
| 4,218,703* | Netravali et al | 358-136 | Aug. 19, 1980 |
| 4,218,704 | Netravali et al | 358-136 | Aug. 19, 1980 |

R e m a r k s

The Netravali '703 patent is cited to show a technique for recursively estimating the displacement and/or velocity of objects in video scenes, while the '704 patent utilizes that estimation technique for encoding a video signal using a motion

*Discussed in the specification

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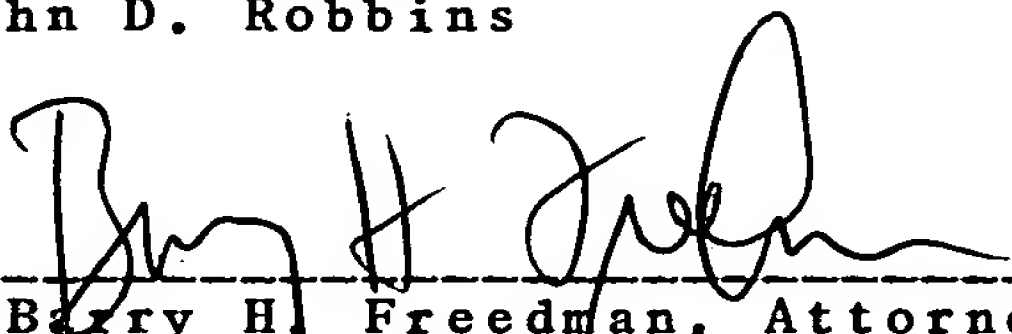
compensated prediction. Neither reference deals with video signal interpolation as described in the present application.

The above-cited references are, in our opinion, the closest art of which we are aware.

Respectfully submitted,

Arun N. Netravali
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By


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Bell Telephone Laboratories, Incorporated

Date: JUN 22 1981

Attached

U. S. Patent 4,218,703

U. S. Patent 4,218,704